L Number	1	Search Text	DB	Time stamp
45	2	5561737.PN.	USPAT;	2004/06/28 01:36
			US-PGPUB; EPO; JPO;	
			DERWENT	
-	29	"bernardi, robert".in. "burson, steven".in. "gollbach,	USPAT;	2004/06/07 10:20
		lawrence".in. "woo, allen".in. "bobisuthi, james".in.	US-PGPUB;	
		, , , , , , , , , , , , , , , , , , , ,	EPO; JPO;	
			DERWENT	
-	7	("3057960" "3109066" "5511128" "5586191"	USPAT	2004/05/28 12:58
	10	"5978490" "6005953" "6272229").PN.	LICDAT	2004/05/20 17.07
-	10	("4354059" "4393275" "4412097" "4589136" "4741038" "4752961" "4870690" "4941187"	USPAT	2004/05/28 13:03
_	4	"5214709" "5303307").PN. ("5208864" "5414776" "5602962"	USPAT	2004/05/28 13:12
		"5673327").PN.		200 11 007 20 10112
-	1411669	1	USPAT;	2004/05/28 13:23
			US-PGPUB;	
			EPO; JPO;	
	101	701/00	DERWENT	
•	126	381/92.ccls. and (envelope integrat\$3)	USPAT;	2004/06/08 18:16
			US-PGPUB; EPO; JPO;	
			DERWENT	
-	171614	envelope	USPAT;	2004/05/28 13:24
		·	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	28	381/92.ccls. and envelope	USPAT;	2004/06/06 13:49
			US-PGPUB;	
			EPO; JPO; DERWENT	
-	12598	envelope near2 detect\$3	USPAT;	2004/05/28 13:24
		•	US-PGPUB;	
			EPO; JPO;	
	7	701/00 1 1/ 1 0 1 47)	DERWENT	
•	3	381/92.ccls. and (envelope near2 detect\$3)	USPAT;	2004/05/28 13:31
			US-PGPUB; EPO; JPO;	
			DERWENT	
<u>-</u>	988296	averag\$3	USPAT;	2004/05/28 13:31
			US-PGPUB;	
			EPO; JPO;	
	107	701/00	DERWENT	0004/05/00 15 ==
-	103	381/92.ccls. and averag\$3	USPAT;	2004/05/28 13:32
			US-PGPUB; EPO; JPO;	•
			DERWENT	
-	3723302	amplitude level magnitude volume	USPAT;	2004/05/28 13:32
		-	US-PGPUB;	
			EPO; JPO;	
	11000-		DERWENT	
•	112087	averag\$3 with (amplitude level magnitude volume)	USPAT;	2004/05/28 13:33
			US-PGPUB; EPO; JPO;	
			DERWENT	
-	27	381/92.ccls. and (averag\$3 with (amplitude level magnitude	USPAT;	2004/05/28 14:13
		volume))	US-PGPUB;	
			EPO; JPO;	
			DERWENT	

			_	
	3525	direction\$4 near3 (microphone input near2 transducer)	USPAT; US-PGPUB;	2004/05/28 14:14
	43	(envelope near2 detect\$3) and (direction\$4 near3	EPO; JPO; DERWENT USPAT;	2004/05/28 14:28
	13	(microphone input near2 transducer))	US-PGPUB; EPO; JPO;	2004/03/20 14:20
-	21636	omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4	DERWENT USPAT; US-PGPUB;	2004/06/02 17:36
			EPO; JPO; DERWENT	
-	4093212	uni adj direction\$4 unidirection\$4	USPAT; US-PGPUB; EPO; JPO;	2004/05/28 14:31
-	4104026	(omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) ith (uni adj direction\$4 unidirection\$4 direction\$4)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/05/28 14:32
-	119	cardiod	DERWENT USPAT; US-PGPUB;	2004/05/28 14:33
_	1221	cardiod cardioid	EPO; JPO; DERWENT USPAT;	2004/05/28 14:33
			US-PGPUB; EPO; JPO; DERWENT	200 11 001 20 1 1100
-	4093486	uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid	USPAT; US-PGPUB; EPO; JPO;	2004/05/28 14:35
-	13455	(omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) with ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid))	DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 16:40
-	2231591	switch\$3	USPAT; US-PGPUB;	2004/05/28 14:36
•	466	((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) with ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid))) with switch\$3	EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 16:40
-	106060	microphon\$3	USPAT; US-PGPUB; EPO; JPO;	2004/05/28 14:37
-	101	(((omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) with ((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod cardioid))) with	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/05/28 14:46
-	108	switch\$3) and microphon\$3 381/94.7.ccls.	DERWENT USPAT; US-PGPUB;	2004/06/02 17:20
-	1278574	integrat\$4	EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 14:47

-	107	381/92.ccls. and integrat\$4	USPAT;	2004/05/28 14:48
			US-PGPUB;	
1			EPO; JPO;	
			DERWENT	
-	99705	absolute adj value	USPAT;	2004/05/28 14:48
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
	707407	abasista adi sulua santifit A		8004/05/00 15 00
-	307423	absolute adj value rectif\$4	USPAT;	2004/05/28 15:08
			US-PGPUB;	
1			EPO; JPO;	
			DERWENT	
-	18	381/92.ccls. and integrat\$4 and (absolute adj value	USPAT;	2004/05/28 14:57
		rectif\$4)	US-PGPUB;	
		1333.7 17	EPO; JPO;	
	054100	(40 40 0 11 47	DERWENT	
-	254120	(proper\$2 correct\$2) near2 position\$3	USPAT;	2004/05/28 15:10
			US-PGPUB;	
1			EPO; JPO;	
			DERWENT	
-	189	((proper\$2 correct\$2) near2 position\$3) with microphon\$3		2004/05/28 14:58
		((property correctly) ficult postdority) was interophority	US-PGPUB;	2001/03/2011:50
			EPO; JPO;	
			DERWENT	
-	14	(((Fire First = contract =) train = Frankenty =) tries	USPAT;	2004/05/28 14:58
		microphon\$3) and LED	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
_	6	4777649.URPN.	USPAT	2004/05/28 15:00
	8176		1	2004/05/28 15:09
[-	8170	averagas with (absolute any value recursar)	USPAT;	2004/03/28 13:09
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	450		USPAT;	2004/05/28 15:09
	İ	microphon\$3	US-PGPUB;	
			EPO; JPO;	
			DERWENT	ļ
_	567	((proper\$2 correct\$2) near2 position\$3) and 381/\$.ccls.	USPAT;	2004/05/28 15:11
	307	((proper \$2 correct\$2) fical 2 position \$5) and 50 17 \$.ccis.	US-PGPUB;	2004/03/28 13:11
			,	
			EPO; JPO;	
			DERWENT	
-	302	(11)	USPAT;	2004/05/28 15:11
	1	and microphon\$3	US-PGPUB;	
	1		EPO; JPO;	
	1		DERWENT	
	31054	((proper\$2 correct\$2) near2 position\$3) with 96and	USPAT;	2004/05/28 15:11
	3.031	381/\$.ccls.		2007/03/20 13:11
	[JO 17 \$.CC3.	US-PGPUB;	
	[EPO; JPO;	
			DERWENT	
] -	0	((proper\$2 correct\$2) near2 position\$3) with (averag\$3	USPAT;	2004/05/28 15:12
	[with (absolute adj value rectif\$4)) and 381/\$.ccls.	US-PGPUB;	
	[<u>"</u>	EPO; JPO;	
]		DERWENT	
-	80	((proper\$2 correct\$2) near2 position\$3) with microphon\$3	USPAT;	2004/05/28 15:29
				2007/03/20 13:29
	1	and 381/\$.ccls.	US-PGPUB;	
			EPO; JPO;	
	-		DERWENT	
-	3	4445229.URPN.	USPAT	2004/05/28 15:14
-	6	4777649.URPN.	USPAT	2004/05/28 15:23
	·			

	17	("3109893" "4644107" "4777649" "4901354" "5007081" "5224151" "5255341" "5335276" "5337353" "5396443" "5657380" "5712911" "5806036" "5881377" "5890123" "6188986" "6243683").PN.	USPAT	2004/05/28 15:24
-	203	1 '	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/28 15:29
-	78	379/441.ccls. and position\$4	USPAT; US-PGPUB; EPO; JPO;	2004/05/28 15:30
-	12	379/441.ccls. and position\$4 with indicat\$4	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/05/28 16:01
-	376	379/396.ccls.	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/05/28 16:01
-	159	379/396.ccls. and (LED position\$4)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/05/28 16:02
-	105	379/396.ccls. and (position\$4)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/05/28 16:02
-	3 252	("5528663" "5950139" "6023779").PN. microphone near2 align\$4	DERWENT USPAT USPAT; US-PGPUB; EPO; JPO;	2004/05/28 16:05 2004/06/02 16:35
-	6	("1892644" "1892646" "2836656" "3057960" "3794766" "4061041").PN.	DERWENT USPAT	2004/06/01 12:30
-	10231	"david, e".in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/01 12:33
-	13681	"david, e".in. @ad < 19620101	USPAT; US-PGPUB; EPO; JPO;	2004/06/01 12:34
•	3	"david, e".in. and @ad < 19620101	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/06/01 12:35
-	1	859684.apn.	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/06/01 12:35
-	0	"david, jr., e".in. and @ad < 19620101	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/06/01 12:36
-	1	"david, jr".in. and @ad < 19620101	DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/01 12:36

-	1	"david jr edward".ln. and @ad<19620101	USPAT; US-PGPUB;	2004/06/01 15:03
			EPO; JPO; DERWENT	
-	9	3057960.URPN.	USPAT	2004/06/01 12:39
-	7		USPAT	2004/06/01 12:40
-	7	("3057960" "3109066" "5511128" "5586191" "5978490" "6005953" "6272229").PN.	USPAT	2004/06/01 14:31
-	2		USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/01 15:57
-	2	wo-9846043\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/01 15:57
<u>-</u>	4	4236040.URPN.	USPAT	2004/06/01 16:24
-	7		USPAT	2004/06/01 17:03
-	1	6148077.URPN.	USPAT	2004/06/02 10:06
-		("5528663" "5950139" "6023779").PN.	USPAT	2004/06/02 10:07
-		4777649.URPN.	USPAT	2004/06/02 14:02
-	375	381/92.ccls.	USPAT; US-PGPUB;	2004/06/02 16:16
-	391	microphone near2 (orient\$5)	EPO; JPO; DERWENT USPAT;	2004/06/02 16:36
_	116	microphone near2 (orient\$5) with (\$4speaker source mouth	US-PGPUB; EPO; JPO; DERWENT USPAT;	2004/06/02 16:38
		nose)	US-PGPUB; EPO; JPO; DERWENT	
-	5	("5001746" "5134649" "5995599" "6102856" 	USPAT	2004/06/02 16:41
-	8	("2184247" "2301744" "2305599" "2396222" 	USPAT	2004/06/02 16:58
-	4	("4006310" "5473701" "5586191" "5740256").PN.	USPAT	2004/06/02 17:08
-	10	("4354059" "4393275" "4412097" "4589136" "4741038" "4752961" "4870690" "4941187" "5214709" "5303307").PN.	USPAT	2004/06/02 17:08
-	4	("5208864" "5414776" "5602962" "5673327").PN.	USPAT	2004/06/02 17:12
-	7	======	USPAT	2004/06/02 17:15
-	7	("4354059" "4472742" "4550343" "4764817" "4862278" "5062010" "5193117").PN.	USPAT	2004/06/02 17:18
-	204	381/122.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:20
-	7795	381/\$.ccls. and direction\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/02 17:31

	17	Lalles la and annulding science	TITED XT	<u> </u>
-	14	elko.in. and omnidirectional	USPAT;	2004/06/02 17:32
			US-PGPUB;	
	-		EPO; JPO;	
			DERWENT	
-	21664	omni adj direction\$4 omnidirection\$4 non adj direction\$4	USPAT;	2004/06/07 15:49
		nondirection\$4	US-PGPUB;	
			EPO; JPO;	
			DERWENT	İ
١.	139821	phase near2 shift\$3	USPAT;	2004/06/02 17:37
	,	pridate fred 2 string 5	US-PGPUB;	200 11 007 02 17 107
			EPO; JPO;	
			DERWENT	'
	2289	James adi direction \$4 ammidirection \$4 non adi direction \$4		2004/06/02 17:37
•	2209	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2004/06/02 17:37
		nondirection\$4) and (phase near2 shift\$3)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
•	242221	noise adj (attenuat\$4 cancel\$3 cancell\$5) directional	USPAT;	2004/06/02 17:38
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	246323	((omni adj direction\$4 omnidirection\$4 non adj direction\$4	USPAT;	2004/06/02 17:38
		nondirection\$4) and (phase near2 shift\$3)) abd (noise adj	US-PGPUB;	
		(attenuat\$4 cancel\$3 cancell\$5) directional)	EPO; JPO;	
			DERWENT	
l <u>.</u>	1719	((omni adj direction\$4 omnidirection\$4 non adj direction\$4	USPAT;	2004/06/02 17:38
		nondirection\$4) and (phase near2 shift\$3)) and (noise adj	US-PGPUB;	200 17 007 02 17 .50
		(attenuat\$4 cancel\$3 cancell\$5) directional)	EPO; JPO;	
		(attenuaty i cancerys cancerys) unectionary	DERWENT	
	1701389	subtract\$4 difference	USPAT;	2004/04/02 17.70
-	1701369	Subtract 4 difference	,	2004/06/02 17:38
1			US-PGPUB;	
			EPO; JPO;	
	1070		DERWENT	0004/0//00 17 70
-	1270		USPAT;	2004/06/02 17:38
		direction\$4 nondirection\$4) and (phase near2 shift\$3))	US-PGPUB;	
	i	and (noise adj (attenuat\$4 cancel\$3 cancell\$5) directional))	EPO; JPO;	
		and (subtract\$4 difference)	DERWENT	
 -	31070	381/\$.ccls.	USPAT;	2004/06/02 17:39
			US-PGPUB;	
ĺ			EPO; JPO;	
			DERWENT	
-	121	((((omni adj direction\$4 omnidirection\$4 non adj	USPAT;	2004/06/02 17:43
		direction\$4 nondirection\$4) and (phase near2 shift\$3))	US-PGPUB;	
		and (noise adj (attenuat\$4 cancel\$3 cancel\$5) directional))	EPO; JPO;	
		and (subtract\$4 difference)) and 381/\$.ccls.	DERWENT	
-	117230	microphon\$4 input near2 transduc\$34	USPAT;	2004/06/02 17:43
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
_	93	(((((omni adj direction\$4 omnidirection\$4 non adj	USPAT;	2004/06/02 17:45
	7.3	direction\$4 nondirection\$4) and (phase near2 shift\$3))	US-PGPUB;	2007/00/02 17:43
		and (noise adj (attenuat\$4 cancel\$3 cancel\$5) directional))	,	
			EPO; JPO;	
		and (subtract\$4 difference)) and 381/\$.ccls.) and	DERWENT	
	1745	(microphon\$4 input near2 transduc\$34)	LICD A T	0004/64/00 := :=
-	1745	1	USPAT;	2004/06/02 17:47
		threshhold thresh adj hold))	US-PGPUB;	
			EPO; JPO;	
			DERWENT	

-	0	((((((omni adj direction\$4 omnidirection\$4 non adj	USPAT;	2004/06/02 17:47
		direction\$4 nondirection\$4) and (phase near2 shift\$3))	US-PGPUB;	
		and (noise adj (attenuat\$4 cancel\$3 cancell\$5) directional))	EPO; JPO;	
		and (subtract\$4 difference)) and 381/\$.ccls.) and	DERWENT	
		(microphon\$4 input near2 transduc\$34)) and ((multi		
		multiple) adj ((level near2 compar\$4) (threshold threshhold		
		thresh adj hold)))		
-	3	((multi multiple) adj ((level near2 compar\$4) (threshold	USPAT;	2004/06/02 17:49
		threshhold thresh adj hold))) and ((omni adj direction\$4	US-PGPUB;	
		omnidirection\$4 non adj direction\$4 nondirection\$4) and	EPO; JPO;	
		(phase near2 shift\$3))	DERWENT	
	9	1 ''	USPAT;	2004/06/02 17:59
-	,		,	2004/00/02 17:39
		threshhold thresh adj hold))) and (omni adj direction\$4	US-PGPUB;	•
		omnidirection\$4 non adj direction\$4 nondirection\$4)	EPO; JPO;	
			DERWENT	
-	2	4,066,842.pn.	USPAT;	2004/06/04 10:19
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	•
-	14	4066842.URPN.	USPAT	2004/06/02 18:00
-	3	("4025894" "4485484" "4536887").PN.	USPAT	2004/06/02 18:02
-	2	("2982942" "4466117").PN.	USPAT	2004/06/02 18:05
_	2	1 .	USPAT	2004/06/02 18:05
1_	19	1 '	USPAT	2004/06/02 18:05
	9		· -	
•	9	("4308425" "4466117" "4696043" "4703506"	USPAT	2004/06/02 18:11
	1	"4712244" "4742548" "5029215" "5058170"		
		"5121426").PN.		
-	4	1 - · · · · · · · · · · · · · · · · · ·	USPAT	2004/06/02 18:13
-	18		USPAT	2004/06/04 09:18
-	19	("3571514" "3770911" "3798390" "3836732"	USPAT	2004/06/04 13:25
		"3875349" "3946168" "3975599" "4051330"		
		"4142072" "4456795" "4622440" "4712244"		
		"4723293" "4751738" "5029215" "5214709"		
		"5226087" "5289544" "5524056").PN.		
-	15	3975599.URPN.	USPAT	2004/06/04 14:10
_	10	5673325.URPN.	USPAT	2004/06/04 14:38
1_	27	"andrea, douglas".in.	USPAT;	2004/06/04 14:58
		andrea, douglas .m.	US-PGPUB;	2004/00/04 14:38
			EPO; JPO;	
	77,	dina stand and and the	DERWENT	0004/07/04 14 77
-	336	directional same handset	USPAT;	2004/06/04 14:58
	1		US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	60	(omni non) adj directional same handset	USPAT;	2004/06/04 14:58
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	159177	(shift\$3 adjust\$3) near2 phase	USPAT;	2004/06/04 14:59
		/ a majarat a j prima	US-PGPUB;	-00 00, 01 1 1.37
			EPO; JPO;	
			DERWENT	
1_	7	((omni non) adi directional anna handasa) and ((alifetta		2004/04/04 14 50
1	3	1 (1	USPAT;	2004/06/04 14:59
	1	adjust\$3) near2 phase)	US-PGPUB;	
1	1		EPO; JPO;	
			DERWENT	
-	24625	(shift\$3 adjust\$3) near2 phase with second	USPAT;	2004/06/04 15:00
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
L			- LIX 11 LIX 1	<u> </u>

				TICKAT	
Control Cont	-	/	(directional same handset) and ((shift\$3 adjust\$3) near2	USPAT;	2004/06/04 15:00
3			phase with second)		
3 ("3170046" "4672674" "5138664").PN. USPAT 2004/06/04 15:08 26 5381473.URPN. USPAT 2004/06/04 15:08 USPAT 2004/06/04 15:08 USPAT 2004/06/04 15:09 USPAT 2004/06/04 15:09 USPAT 2004/06/04 15:09 USPAT 2004/06/04 15:09 USPAT 2004/06/04 15:09 USPAT 2004/06/04 15:09 USPAT 2004/06/04 15:09 USPAT 2004/06/04 15:09 USPAT 2004/06/04 15:09 USPAT 2004/06/04 15:09 USPAT 2004/06/04 15:09 USPAT 2004/06/04 15:09 USPAT 2004/06/04 15:09 USPAT 2004/06/04 15:10 USPAT 2004/06/04 15:10 USPAT 2004/06/04 15:10 USPAT 2004/06/04 15:10 USPAT 2004/06/04 15:10 USPAT 2004/06/04 15:10 USPAT 2004/06/04 15:10 USPAT 2004/06/04 15:20 USPAT 2004/06/04 15:40 USPAT 2004/06/04 15:50 USPAT 2004/06/04 16:26 USPAT 2004/06/04 16:26 USPAT 2004/06/04 16:26 USPAT 2004/06/04 16:26 USPAT 2004/06/04 16:26 USPAT 2004/06/04 16:26 USPAT 2004/06/04 16:26 USPAT 2004/06/04 16:26 USPAT 2004/06/04 16:26 USPAT 2004/06/04 16:26 USPAT 2004/06/04 16:31 USPAT 2004/06/04 16:31 2004/06/04 16:31 2004/06/04 16:31 2004/06/04 16:31 2004/06/04 16:31 2004/06/04 16:31 2004/06/04 16:31 200					
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. 26 5381 473.URPN. and phase 7 4758072" "473709" "4850016" "5239578" USPAT 2004/06/04 15:09 2004/06/04 15:04 2004/06/04 16:05 2004/06/04 16:04 2004/06/04 16:05 2004/06/04 16:05 2004/06/04 16:05 2004/06/04 16:05 2004/06/04 16:05 2004/06/04 16:05 2004/06/04 16:05 2004/06/04 16:05 2004/06/04 16:05 2004/06/04 16:05 2004/06/04 16:05 2004/06/04 16:05 2	-	3	("3170046" "4672674" "5138664").PN.	USPAT	
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- 9	-	16	4354059.URPN.	USPAT	2004/06/04 15:22
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	19		USPAT	2004/06/04 17:52
-	19		usrai	2004/06/04 17:52
		"4712247" "4720712" "4741038" "4802227"		
		"5193117" "5226087" "5233664" "5243660"		
		"5260920" "5291556" "5301363" "5327143"		
		"5347586" "5367506" "5581036").PN.		
-	13	1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	USPAT	2004/06/04 17:59
		"4918732" "4932063" "5208864" "5212764"		
		"5214707" "5293450" "5319736" "5390280"		
		"5400409").PN.		
-	21410	angle adj incidence	USPAT	2004/06/04 18:01
-	198969	compar\$4 with (level amplitude power)	USPAT	2004/06/04 18:01
_	2119	(angle adj incidence) and (compar\$4 with (level amplitude	USPAT	2004/06/04 18:01
	2	power))	dsi Xi	200 1/00/01 10:01
	42034		LICDAT	2004/04/04 19:01
	76		USPAT	2004/06/04 18:01
-	/6	((angle adj incidence) and (compar\$4 with (level amplitude	USPAT	2004/06/04 18:24
		power))) and (microphone input adj transducer)		
-	2	(· · · · · ·	USPAT	2004/06/04 18:06
-	27	4489442.URPN.	USPAT	2004/06/04 18:06
-	5	("3940575" "3992584" "4489442" "4567608"	USPAT	2004/06/04 18:12
		"4817168").PN.		
-	8	("5400409" "5539859" "5581620" "5627799"	USPAT	2004/06/04 18:17
	į	"5754665" "5825898" "5917921"		
		"6178248").PN.		
-	180405	,	USPAT	2004/06/04 18:24
-	952	(compar\$4 with (level amplitude power)) and (microphone	USPAT;	2004/06/04 18:25
	/32	input adj transducer) and ((angle direction) with (source	US-PGPUB;	2001/00/04 10.23
		input))		
		mput))	EPO; JPO;	
	71000	701/4 - 1	DERWENT	
-	31090	381/\$.ccls.	USPAT;	2004/06/04 18:25
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	162	, , , , , , , , , , , , , , , , , , ,	USPAT;	2004/06/05 13:17
		input adj transducer) and ((angle direction) with (source	US-PGPUB;	
		input))) and 381/\$.ccls.	EPO; JPO;	
		• ,,,	DERWENT	
.	4	("5572591" "5680467" "5757933"	USPAT	2004/06/04 18:26
		"6539096").PN.	331711	230 1/ 00/ 01 10.20
_	16014		USPAT;	2004/06/04 18:34
	10014	volume amplitude)		2007/00/04 18:34
		volume ampillude)	US-PGPUB;	
			EPO; JPO;	
	_	(11440044011 114470 1071)	DERWENT	
1-	2		USPAT	2004/06/04 18:42
-		4752961.URPN.	USPAT	2004/06/05 13:10
-	27	((), ((USPAT;	2004/06/05 13:18
		direction) with (source input))) and (microphone input adj	US-PGPUB;	
		transducer) and 381/\$.ccls.	EPO; JPO;	
			DERWENT	
-	4	("4006310" "5473701" "5586191"	USPAT	2004/06/05 13:29
		"5740256").PN.		
	L		L	

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•	6	("4485484" "4536887" "4653102" "4802227" 	USPAT	2004/06/05 13:45
-	7	·	USPAT	2004/06/05 13:45
_	10		USPAT	2004/06/05 13:46
	9		USPAT	2004/06/05 13:47
		"5668747" "5680393" "5740256" "5742927" "5903819").PN.	usrAi	2004/00/03 13:47
	16		USPAT	2004/06/05 13:51
		"4703506" "5029215" "5193117" "5206910" "5214709" "5226087" "5303307" "5400409" "5471538" "5473701" "5477270"	diAi	200 1/00/03 13.51
		"5483599").PN.	1100 4 77	0004/07/05 14 04
-	1	"4354059".PN.	USPAT	2004/06/05 14:04
-	_	5226087.URPN.	USPAT	2004/06/05 14:04
-	5 (0)		USPAT	2004/06/05 14:22
•	560	375/349.ccls.	USPAT; US-PGPUB; EPO; JPO;	2004/06/05 14:26
			DERWENT	
-	560	375/349.ccls.	USPAT; US-PGPUB; EPO; JPO;	2004/06/05 14:25
			DERWENT	
-	187	375/349.ccls. and (direction angle)	USPAT; US-PGPUB; EPO; JPO;	2004/06/05 14:26
			DERWENT	
-	28	375/349.ccls. and (direction angle) and (compar\$3 with (level amplitude volume))	USPAT; US-PGPUB;	2004/06/05 14:29
		. ,	EPO; JPO;	
			DERWENT	
-	376	381/92.ccls.	USPAT; US-PGPUB;	2004/06/05 14:36
			EPO; JPO;	
		/107174	DERWENT	0004/07/05 14 77
-	2	6193134.pn.	USPAT;	2004/06/05 14:37
			US-PGPUB;	
			EPO; JPO;	
	,	4107074	DERWENT	0004/04/05 14 77
[]	2	6193234.pn.	USPAT;	2004/06/05 14:37
			US-PGPUB;	
			EPO; JPO; DERWENT	
_	2	6192134.pn.	USPAT;	2004/06/05 14:39
_		OTZTJTIPII.	US-PGPUB;	2007/00/03 14:39
			EPO; JPO;	
			DERWENT	
	2	5475195.pn.	USPAT;	2004/06/05 14:39
-		 	US-PGPUB;	2007/00/03 14:39
			EPO; JPO;	
			DERWENT	
-	2	5471195.pn.	USPAT;	2004/06/05 14:39
		0 17 1 17 0 pm	US-PGPUB;	2007/00/03 14:39
			EPO; JPO;	
			DERWENT	
-	267	381/92.ccls. and (angle direction)	USPAT;	2004/06/05 15:15
	20,	22 areas and fample anecaon)	US-PGPUB;	-55 1/55/55 15.15
]			EPO; JPO;	
			DERWENT	
1-	7	("4584702" "4773091" "4850016" "5239578"	USPAT	2004/06/05 14:57
		"5260998" "5341420" "5381473").PN.	33.7.1	200 1/00/03 17.3/
		1:41:53 AM Page 10	L	<u> </u>

	10	F741490 (100)	TTENAT	
-	12	5341420.URPN.	USPAT	2004/06/05 14:58
-	16	"roeck, hans-ueli".in.	USPAT;	2004/06/05 15:22
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	12	"hou, zezhang".in.	USPAT;	2004/06/05 15:28
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	23207	(maximum maximiz\$3) near2 difference	USPAT;	2004/06/05 15:30
1	ļ	, ,	US-PGPUB;	
	I		EPO; JPO;	
	1		DERWENT	
1.	580592	delay	USPAT;	2004/06/05 15:30
	300372	delay	US-PGPUB;	2004/00/03 13.30
			EPO; JPO;	
	4401	(/	DERWENT	0004/04/05 45 70
-	4401	((maximum maximiz\$3) near2 difference) and delay	USPAT;	2004/06/05 15:30
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	21686	omni adj direction\$4 omnidirection\$4 non adj direction\$4	USPAT;	2004/06/05 15:31
		nondirection\$4	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	53	(((maximum maximiz\$3) near2 difference) and delay) and	USPAT;	2004/06/05 15:33
		(omni adj direction\$4 omnidirection\$4 non adj direction\$4	US-PGPUB;	
		nondirection\$4)	EPO; JPO;	
		1,	DERWENT	
_	116403	microphon\$3 input near2 transduc\$3	USPAT;	2004/06/05 15:33
	110103	merophonys input hear2 dansddeys	US-PGPUB;	2004/00/03 13.33
			EPO; JPO;	
	15	///maximum maximis \$7\ noor9 difference\ and delay\ and	DERWENT	2004/04/05 17 11
-	13		USPAT;	2004/06/05 16:11
		(omni adj direction\$4 omnidirection\$4 non adj direction\$4	US-PGPUB;	
		nondirection\$4)) and (microphon\$3 input near2	EPO; JPO;	
		transduc\$3)	DERWENT	
-	8942	compar\$3 with difference with (threshold threshhold thresh	USPAT;	2004/06/05 16:12
		adj hold)	US-PGPUB;	
}			EPO; JPO;	
			DERWENT	
] -	2	(compar\$3 with difference with (threshold thresh)	USPAT;	2004/06/06 13:17
		adj hold)) and 381/92.ccis.	US-PGPUB;	
	ļ		EPO; JPO;	
			DERWENT	
-	54	(compar\$3 with difference with (threshold threshold thresh	USPAT;	2004/06/05 16:13
		adj hold)) and 381/\$.ccls.	US-PGPUB;	
		, , , , , , , , , , , , , , , , , , , ,	EPO; JPO;	
			DERWENT	
-	26	(compar\$3 with difference with (threshold thresh	USPAT;	2004/06/05 16:33
	23	adj hold)) and 381/\$.ccls. and microphon\$3	US-PGPUB;	2007/00/03 10:33
		auj notaj) and 50 t/ \$.ccis. and inicrophon\$5		
			EPO; JPO;	
		"20010029719"	DERWENT	0004/07/05 11 5-
-	2	"20010028718"	USPAT;	2004/06/05 16:33
			US-PGPUB;	
	!		EPO; JPO;	
i	ĺ		DERWENT	
-	0	(compar\$3 with difference with (reference)) and	USPAT;	2004/06/06 13:17
		381/92.ccls.	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
	L		DEKMENI	

-	81	(compar\$3 with difference with (reference)) and 381/\$.ccls.	USPAT;	2004/06/06 13:17
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
	31	(compar\$3 with difference with (reference)) and 381/\$.ccls.	USPAT;	2004/06/06 13:18
	, ,,		US-PGPUB;	2004/00/00 13.18
		and (direction\$4 angle)		
			EPO; JPO;	
i			DERWENT	
-	3	("5727073" "5953380" "5978824").PN.	USPAT	2004/06/06 13:20
_	376		USPAT;	2004/06/06 13:53
	3.0	301772.003.	US-PGPUB;	200 11 00, 00 15.55
			EPO; JPO;	
			DERWENT	
-	696	(front forward) with more with (back rear) and	USPAT;	2004/06/06 13:54
		(microphon\$3 input near2 transducer)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
	124	((Sugar) Samurand) with many with (hade year) and		2004/04/04 17 54
-	126	((front forward) with more with (back rear) and	USPAT;	2004/06/06 13:54
		(microphon\$3 input near2 transducer)) and 381/\$.ccls.	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	12	((front forward) with more with (back rear) and	USPAT;	2004/06/06 13:54
		(microphon\$3 input near2 transducer)) and (381/92.ccls.)		200 1700700 13:51
		(microphones input hearz dansducer)) and (561/92.CCs.)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	19	4752961.URPN.	USPAT	2004/06/06 14:10
-	9	determin\$5 with desir\$4 with (off adj axis offaxis)	USPAT;	2004/06/06 14:15
		, , , ,	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	42	determin\$5 with source with (off adj axis offaxis)	USPAT;	2004/06/06 14:15
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
_	114944	microphon\$3 input near2 transducer	USPAT;	2004/06/06 14:15
	117777	microphonas input hearz dansducer		2004/08/08 14:13
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	117039	microphon\$3 input near2 transducer	USPAT;	2004/06/06 14:15
			US-PGPUB;	
			EPO; JPO;	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DERWENT	
-	1	(action and area with the contract of the con	USPAT;	2004/06/06 14:26
		(microphon\$3 input near2 transducer)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
1.	108	381/94.7.ccls.	USPAT;	2004/06/06 14:26
1	108	JO 17 7 1.7 .CCIS.		2004/00/00 14:20
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	62	381/94.7.ccls. and (phase angle)	USPAT;	2004/06/06 14:41
		(F (F	US-PGPUB;	
1	1			
1			EPO; JPO;	
1		/m./.70/74W W.400	DERWENT	
-	22	, , , , , , , , , , , , , , , , , , , ,	USPAT	2004/06/06 14:35
		"5131047" "5148471" "5201006" "5239578"		
		"5251263" "5319736" "5323458" "5335276"		
		"5343521" "5381473" "5406622" "5444786"		
1		"5452361" "5471538" "5473702" "5481615"		
		"5493616" "5526421").PN.		,
	35	4672674.URPN.	USPAT	2004/06/06 14:39
				

Second S					
1564	-	62385	(maximiz\$4 maximum) with difference	USPAT;	2004/06/06 14:42
1564 maximum) with difference maximum				US-PGPUB;	
1564 (microphon\$3 input near2 transducer) and ((maximiz\$4 maximum) with difference) (microphon\$3 input near2 transducer) and (angle direction) (Imicrophon\$3 input near2 transducer) and (inaximiz\$4 maximum) with difference)) and (angle direction) (Imicrophon\$3 input near2 transducer) and ((maximiz\$4 maximum) with difference)) and (angle direction) (Imicrophon\$3 input near2 transducer) and (Imicrophon\$4 input difference)) (Imicrophon\$3 input near2 transducer) (Imicrophon\$4 input difference) (Imicrophon\$5 input near2 transducer) (Imicrophon\$6 input near2 transducer) (Imicrophon\$6 input near2 transducer) (Imicrophon\$6 input near2 transducer) (Imicrophon\$6 input near2 transducer) (Imicrophon\$6 input near2 transducer) (Imicrophon\$6 input near2 transducer) (Imicrophon\$6 input near2 transducer) (Imicrophon\$6				EPO; JPO;	
maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum maximum with difference maximum				DERWENT	
maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum with difference maximum maximum with difference maximum	1-	1564	(microphon\$3 input near2 transducer) and ((maximiz\$4	USPAT:	2004/06/06 14:42
Continue					
DERWENT SPAT; SP			maximum, war affective,		
1048 ((Incrophon\$3 input near2 transducer) and ((Imaximits\$4 maximum) with difference)) and (angle direction) USPAT; USP-GPUB; EPO_IPO_DERWENT USPAT; USP-GPUB;					
Maximum with difference) and (angle direction)		1040			
Continue	-	1048			2004/06/06 14:43
Controphon\$3 input near2 transducer) and ((maximiz\$4 maximum) with difference)) and (angle direction) and phase and (381/\$.ccts. telephon\$2) and (angle direction) and phase and (381/\$.ccts. telephon\$2) and (angle direction) and phase and (381/\$.ccts. telephon\$2) and (angle direction) and phase and (381/\$.ccts. telephon\$2) and (angular adjorientat\$4) and prientat\$4 and (angular adjorientat\$4) and (first and second front and back forward and rear) and 381/\$.ccts. Controphon\$3 input near2 transducer) and (angular adjorientat\$4) and (first and second front and back forward and rear) and 381/\$.ccts. Controphon\$3 input near2 transducer) and (angular adjorientat\$4) and (first and second front and back forward and rear) and 381/\$.ccts. Controphon\$3 input near2 transducer) and (angular adjorientat\$4) and (first and second front and back forward and rear) and 381/\$.ccts. Controphon\$3 input near2 transducer) and (angular adjorientat\$4) and (first and second front and back forward and trear) and 381/\$.ccts. Controphon\$3 input near2 transducer) and (angular adjorientat\$4) and (first and second front and back forward and trear) and 381/\$.ccts. Controphon\$3 input near2 transducer) and (angular adjorientat\$4) and (first and second front and back forward and trear) and 381/\$.ccts. Controphon\$3 input near2 transducer) and (angular adjorientat\$4) and (first and second front and back forward and trear) and 381/\$.ccts. Controphon\$3 input near2 transducer) and (angular adjorientat\$4) and (first and second front and back forward and trear) and 381/\$.ccts. Controphon\$3 input near2 transducer) and (angular adjorientat\$4) and (first and second front and back forward and trear) and 381/\$.ccts. Controphon\$3 input near2 transducer) and (angular adjorientat\$4) and (first and second front and back forward and trear) and 381/\$.ccts. Controphon\$3 input near2 transducer) and (angular adjorientat\$4) and (first and second front and back forward and trear) and angular adjorientat\$4) and (first and second front and back forw			maximum) with difference)) and (angle direction)		
Continement Continement				EPO; JPO;	
Continement Continement				DERWENT	
maximum) with difference) and (angle direction) and phase US-PCPUB; EPC; PPC; PPC; PPC; PPC; PPC; PPC; PPC	-	651	((microphon\$3 input near2 transducer) and ((maximiz\$4		2004/06/06 14:43
239				,	
239			maximum, was difference, and langue direction, and phase		
239					
maximum) with difference) and (angle direction) and phase) and (381/\$.ccis. telephon\$2) US-PGPUB; EPO; IPO; DERWENT USPAT; US-PGPUB; EPO; IPO; IPO; IPO; IPO; IPO; IPO; IPO; I		270			
and (381/\$.ccls. telephon\$2) 27816 27816 27816 27816 27816 27816 2882 480 (microphon\$3 input near2 transducer) and (angular adjorientat\$4) (microphon\$3 input near2 transducer) and (angular adjorientat\$4) (microphon\$3 input near2 transducer) and (angular adjorientat\$4) and (first and second front and back forward and rear) ((microphon\$3 input near2 transducer) and (angular adjorientat\$4) and (first and second front and back forward and rear) and 381/\$.ccls. (("\$303307" "\$511130").PN. 2 ("\$303307" "\$511130").PN. 2 5473684.pn. 2 ("\$303307" "\$511130").PN. 2 5473684.pn. 2 ("\$303307" "\$511130").PN. 2 (angular adj orientat\$4) and 381/\$.ccls. (((microphon\$3 input near2 transducer) and (angular adjorientat\$4) and (first and second front and back forward and uspective processes and uspective p	-	239			2004/06/06 14:49
- 27816 angular adj orientat\$ 4 - 480 (microphon\$ 3 input near 2 transducer) and (angular adj orientat\$ 4) - 443 (microphon\$ 3 input near 2 transducer) and (angular adj orientat\$ 4) and (first and second front and back forward and rear) and (angular adj orientat\$ 4) and (first and second front and back forward and rear) and 381/\$.ccls. - 2 ("5303307" "5511130").PN. 2 5651074.URPN. 2 2 5651074.URPN. 2 2 5651074.URPN. 3 5473684.pn. - 52 (angular adj orientat\$ 4) and 381/\$.ccls. not (((microphon\$ 3 input near 2 transducer) and (angular adj orientat\$ 4) and (first and second front and back forward and rear) and (angular adj orientat\$ 4) and 381/\$.ccls. - 2 ("5303307" "5511130").PN. 2 5473684.pn. - 52 (angular adj orientat\$ 4) and 381/\$.ccls. not (((microphon\$ 3 input near 2 transducer) and (angular adj orientat\$ 4) and 381/\$.ccls. - 7124 (user\$ 2 near 2 (mouth lip)) same (arrang\$ 4 orient\$ 5)) and 381/\$.ccls. - 605 (user\$ 2 near 2 (mouth lip)) same (arrang\$ 4 orient\$ 5)) and 379/\$.ccls. - 63 ((user\$ 2 near 2 (mouth lip)) same (arrang\$ 4 orient\$ 5)) and 379/\$.ccls.			maximum) with difference)) and (angle direction) and phase)	US-PGPUB;	
- 27816 angular adj orientat\$4 - 480 (microphon\$3 input near2 transducer) and (angular adj orientat\$4) - 443 (microphon\$3 input near2 transducer) and (angular adj orientat\$4) and (first and second front and back forward and rear) - 26 ((microphon\$3 input near2 transducer) and (angular adj orientat\$4) and (first and second front and back forward and rear) and 381/\$.ccls. - 2 ("5303307" "5511130").PN. 2 5651074.URPN. 2 5651074.URPN. 2 5473684.pn. - 52 (angular adj orientat\$4) and 381/\$.ccls. not ((microphon\$3 input near2 transducer) and (angular adj orientat\$4) and 381/\$.ccls. - 26 (angular adj orientat\$4) and 381/\$.ccls. not ((microphon\$3 input near2 transducer) and (angular adj orientat\$4) and 381/\$.ccls. - 36 (angular adj orientat\$4) and 381/\$.ccls. not ((microphon\$3 input near2 transducer) and (angular adj orientat\$4) and 381/\$.ccls. - 40 (angular adj orientat\$4) and 381/\$.ccls. not ((microphon\$3 input near2 transducer) and (angular adj orientat\$4) and 381/\$.ccls. - 50 (angular adj orientat\$4) and 381/\$.ccls. not ((microphon\$3 input near2 transducer) and (angular adj orientat\$4) and 381/\$.ccls. - 50 (angular adj orientat\$4) and 381/\$.ccls. not ((microphon\$3 input near2 transducer) and (angular adj orientat\$4) and 381/\$.ccls. - 50 (angular adj orientat\$4) and 381/\$.ccls. not ((microphon\$3 input near2 transducer) and (angular adj orientat\$4) and 381/\$.ccls. - 50 (angular adj orientat\$4) and 381/\$.ccls. not ((microphon\$5 input near2 transducer) and (angular adj orientat\$4) and 381/\$.ccls. - 50 (angular adj orientat\$4) and 381/\$.ccls. not ((microphon\$5 input near2 transducer) and (angular adj orientat\$4) and 381/\$.ccls. - 50 (angular adj orientat\$4) and 381/\$.ccls. not ((microphon\$5 input near2 transducer) and (angular adj orientat\$4) and 381/\$.ccls. - 50 (angular adj orientat\$4) and 381/\$.ccls. not ((microphon\$5 input near2 transducer) and (angular adj orientat\$4) and 381/\$.ccls. - 50 (angular adj orientat\$4) and 381/\$.ccls. not ((microphon\$5 input near2 transducer) and (angular adj orientat\$4)			and (381/\$.ccls. telephon\$2)	EPO; JPO;	
- 480 (microphon\$3 input near2 transducer) and (angular adjorientat\$4) - 443 (microphon\$3 input near2 transducer) and (angular adjorientat\$4) and (first and second front and back forward and rear) and 381/\$.ccis. - 26 ((microphon\$3 input near2 transducer) and (angular adjorientat\$4) and (first and second front and back forward and rear) and 381/\$.ccis. - 2 ("5303307" "5511130").PN. - 2 ("5303307" "5511130").PN. - 3 (angular adj orientat\$4) and 381/\$.ccis. - 4 (angular adj orientat\$4) and 381/\$.ccis. - 52 (angular adj orientat\$4) and 381/\$.ccis. - 5473684.pn. - 52 (angular adj orientat\$4) and 381/\$.ccis. - 7124 (angular adj orientat\$4) and 381/\$.ccis. - 605 (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5) and 379/\$.ccis. - 63 ((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 379/\$.ccis.					
US-PGPUB; PO; PO; DERWENT USPAT; USP		27816	angular adi orientat\$4		2004/06/06 14:40
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- 443 (microphon\$3 input near2 transducer) and (angular ad) orientat\$4) and (first and second front and back forward and rear) ((microphon\$3 input near2 transducer) and (angular ad) orientat\$4) and (first and second front and back forward and rear) and 381/\$.ccis. - 2 ("5303307" "5511130").PN 2 5651074.URPN 2 5473684.pn. - 52 (angular ad] orientat\$4) and 381/\$.ccis 26 (angular ad] orientat\$4) and 381/\$.ccis 26 (angular ad] orientat\$4) and 381/\$.ccis 7124 (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5) - 605 (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 379/\$.ccis 63 ((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 379/\$.ccis.			orientat\$4)	US-PGPUB;	
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- 52 (angular adj orientat\$4) and 381/\$.ccls. - 26 (angular adj orientat\$4) and 381/\$.ccls. not (((microphon\$3 input near2 transducer) and (angular adj orientat\$4) and (first and second front and back forward and rear)) and 381/\$.ccls.) - 7124 (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5) - 605 (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 379/\$.ccls.					
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- 26 (angular adj orientat\$4) and 381/\$.ccls. 26 (angular adj orientat\$4) and 381/\$.ccls. not (((microphon\$3 input near2 transducer) and (angular adj orientat\$4) and (first and second front and back forward and rear)) and 381/\$.ccls.) 7124 (user\$2 near2 (mouth lip)) (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5) (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and (user\$7 near2 (mouth lip)) same (arrang\$4 orient\$5)) and (user\$7 near2 (mouth lip)) same (arrang\$4 orient\$5)) and (user\$7 near2 (mouth lip)) same (arrang\$4 orient\$5)) and (user\$7 near2 (mouth lip)) same (arrang\$4 orient\$5)) and (user\$7 near2 (mouth lip)) same (arrang\$4 orient\$5)) and (user\$7 near2 (mouth lip)) same (arrang\$4 orient\$5)) and (user\$7 near2 (mouth lip)) same (arrang\$4 orient\$5)) and (user\$7 near2 (mouth lip)) same (arrang\$4 orient\$5)) and (user\$7 near2 (mouth lip)) same (arrang\$4 orient\$5)) and (user\$7 near2 (mouth lip)) same (arrang\$4 orient\$5)) and (user\$7 near2 (mouth lip)) same (arrang\$4 orient\$5)) and (user\$7 near2 (mouth lip)) same (arrang\$4 orient\$5)) and (user\$7 near2 (mouth lip)) same (arrang\$4 orient\$5)) and (user\$7 near2 (mouth lip)) same (arrang\$4 orient\$5)) and (user\$7 near2 (mouth lip))					
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- 26 (angular adj orientat\$4) and 381/\$.ccls. not (((microphon\$3 input near2 transducer) and (angular adj orientat\$4) and (first and second front and back forward and rear)) and 381/\$.ccls.) - 7124 (user\$2 near2 (mouth lip)) - 605 (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5) - 63 ((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 379/\$.ccls. - 63 ((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 379/\$.ccls.			·		
- 26 (angular adj orientat\$4) and 381/\$.ccls. not (((microphon\$3 input near2 transducer) and (angular adj orientat\$4) and (first and second front and back forward and rear)) and 381/\$.ccls.) - 7124 (user\$2 near2 (mouth lip)) - 605 (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5) - 63 ((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 379/\$.ccls. - 63 ((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 379/\$.ccls.	1				
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orientat\$4) and (first and second front and back forward and rear) and 381/\$.ccls.) 7124 (user\$2 near2 (mouth lip)) (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5) (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5) (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5) and (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)	-	20			ZUU4/U0/U0 15:11
rear)) and 381/\$.ccls.) (user\$2 near2 (mouth lip)) (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5) (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5) (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5) (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 379/\$.ccls. (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 379/\$.ccls.					
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- 605 (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5) - 63 ((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and ((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 379/\$.ccls. 63 (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 2004/06/06 15:35 2004/06/06 2004/06			· · · · · · · · · · · · · · · · · · ·		
- 605 (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5) - 63 ((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and ((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 379/\$.ccls. Cooling DERWENT 2004/06/06 15:12 US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT DERWENT DERWENT 2004/06/06 15:35 DERWENT DERWEN					
- 605 (user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5) - 63 ((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and ((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 379/\$.ccls. 2004/06/06 15:12 2004/06/06 15:35 2004/06/06 15:35					
- 63 ((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	1_	40F	(usor\$ 2 noar2 (mouth lin)) same (amount 4 - doubt E)		2004/0//0/ 15 10
- 63 ((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 379/\$.ccls. EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	-	003	(user \$2 near2 (mount lip)) same (arrang\$4 onent\$5)		ZUU4/U6/U6 15:12
- 63 ((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 379/\$.ccls. DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT					
- 63 ((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and 379/\$.ccls. DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT				EPO; JPO;	
- 63 ((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and USPAT; US-PGPUB; EPO; JPO; DERWENT					
379/\$.ccls. US-PGPUB; EPO; JPO; DERWENT	-	63	((user\$2 near2 (mouth lip)) same (arrang\$4 orient\$5)) and		2004/06/06 15:35
EPO; JPO; DERWENT					55, 55 15.55
DERWENT				,	
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-	376	381/92.ccls.	USPAT; US-PGPUB;	2004/06/06 15:36
			EPO; JPO;	
			DERWENT	
<u>-</u>	50	381/92.ccis. and (mouth lip)	USPAT;	2004/06/06 15:37
	30	301772.ccis. and (modul hp)	US-PGPUB;	2001/00/00 13.57
			EPO; JPO;	
			DERWENT	
	160879	(predetermined pre adj determined) near2 (angle direction)	USPAT;	2004/06/06 15:38
	.00077	(predetermined pre day determined) near 2 (angle an ecolor)	US-PGPUB;	200 17 007 00 13:50
			EPO; JPO;	
			DERWENT	
-	8518	(differ differen\$3) with (predetermined pre adj determined)	USPAT;	2004/06/06 15:38
		near2 (angle direction)	US-PGPUB;	
		,	EPO; JPO;	
			DERWENT	
-	44	((differ differen\$3) with (predetermined pre adj determined)	USPAT;	2004/06/06 15:39
		near2 (angle direction)) and 381/\$.ccls.	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	26	"bernardi, robert".in. "burson, steven".in. "gollbach,	USPAT;	2004/06/06 15:47
		lawrence".in.	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	1	"4354059".PN.	USPAT	2004/06/07 11:42
-	16	4354059.URPN.	USPAT	2004/06/07 11:42
-	4	("4414433" "4703506" "5027393"	USPAT	2004/06/07 11:50
	1.5	"5075687").PN.		0004/04/07 44 54
-	15		USPAT	2004/06/07 11:51
-	6	("4953217" "5182774" "5251263" "5384843"	USPAT	2004/06/07 11:53
	13		USPAT	2004/04/07 12:77
	13	"4918732" "4932063" "5208864" "5212764"	usrAi	2004/06/07 12:33
		"5214707" "5293450" "5319736" "5390280"		
		"5400409").PN.		
1.	3	1	USPAT	2004/06/07 12:36
_	24	1	USPAT	2004/06/07 12:47
-	2	5384843.pn.	USPAT;	2004/06/07 12:59
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	35736	handset hand adj set	USPAT;	2004/06/07 13:03
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	232480	directional	USPAT;	2004/06/07 13:03
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	2300	(handset hand adj set) and directional	USPAT;	2004/06/07 13:03
			US-PGPUB;	
			EPO; JPO;	
	0.0	/946796748 940000EEB 940107478 95101404	DERWENT	0004/04/07 17 5-
	22	("4672674" "4908855" "4912767" "5121426" "5171047" "5148471" "5201004" "5270578"	USPAT	2004/06/07 13:05
	9 8 2	"5452361" "5471538" "5473702" "5481615"		
		3473702		
1-	6	4777649.URPN.	USPAT	2004/06/07 13:23
-	6	("3480912" "4158750" "4357491" "4445229"	USPAT	2004/06/07 13:24
		"4662847" "4700392").PN.		
	1			

-	3	4445229.URPN.	USPAT	2004/06/07 13:25
-	8	("3116365" "3495908" "3532815" "3544715"	USPAT	2004/06/07 13:26
		"3567848" "3755623" "3970792"		
		"4139734").PN.		
-	1	"4354059".PN.	USPAT	2004/06/07 15:43
-	21695	omni adj direction\$4 omnidirection\$4 non adj direction\$4	USPAT;	2004/06/07 15:50
		nondirection\$4	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
_	237897	(adjust\$3 vary\$3 shift\$4) with phase	USPAT;	2004/06/07 15:50
	23,077	(adjust 45 vary 45 sinit 41) with phase	US-PGPUB;	2004/00/07 13:30
			1	
			EPO; JPO;	
	005/71	(-Posset 7	DERWENT	
•	285631	(adjust\$3 vary\$3 shift\$4) with (phase delay)	USPAT;	2004/06/07 15:51
			US-PGPUB;]
			EPO; JPO;	
			DERWENT	
-	180	(omni adj direction\$4 omnidirection\$4 non adj direction\$4	USPAT;	2004/06/07 15:54
		nondirection\$4) and ((adjust\$3 vary\$3 shift\$4) with	US-PGPUB;	
		(phase delay)) and (handset hand adj set)	EPO; JPO;	
		(priase delay), and (namesee haira day see)	DERWENT	
_	116063	microphone input near2 transducer		2004/04/07 15 54
-	110003	inicrophone input hearz transducer	USPAT;	2004/06/07 15:54
			US-PGPUB;]
			EPO; JPO;	1
			DERWENT	ł
-	51	((omni adj direction\$4 omnidirection\$4 non adj direction\$4	USPAT;	2004/06/07 16:14
		nondirection \$4) and ((adjust \$3 vary \$3 shift \$4) with	US-PGPUB;	
		(phase delay)) and (handset hand adj set)) and (microphone	EPO; JPO;	
		input near2 transducer)	DERWENT	
_	26		USPAT;	2004/06/07 16:19
	20	301772.cci3. and 301771.7.cci3.	US-PGPUB;	2004/00/07 10:17
			EPO; JPO;	
	100	701/04 71	DERWENT	
j -	108	381/94.7.ccls.	USPAT;	2004/06/07 16:19
			US-PGPUB;	
	İ		EPO; JPO;	
			DERWENT	
-	23	381/94.7.ccls. and (omni adj direction\$4 omnidirection\$4	USPAT;	2004/06/07 16:33
		non adj direction\$4 nondirection\$4)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	3	("4769847" "5233667" "5243661").PN.	USPAT	2004/06/07 16:21
_	3	1	USPAT	2004/06/07 16:21
-	4		USPAT	
-	7	1		2004/06/07 16:22
-	/	("3057960" "3109066" "5511128" "5586191"	USPAT	2004/06/07 16:26
	407	"5978490" "6005953" "6272229").PN.		
-	423	"masuda, hiroyuki".in.	USPAT;	2004/06/07 16:34
			US-PGPUB;	1
			EPO; JPO;	
			DERWENT	
-	23	"masuda, hiroyuki".in. and telephone	USPAT;	2004/06/07 16:37
		• • •	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	1383	adapt\$3 near delay		2004/04/07 17 77
	1363	auapty J lical uclay	USPAT;	2004/06/07 16:37
			US-PGPUB;	
1			EPO; JPO;	
1			DERWENT	
-	4601	adapt\$3 near3 delay	USPAT;	2004/06/07 16:37
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
	<u>L </u>	1.41.57 AM Page 15		l . <u></u>

				_
•	59	(adapt\$3 near3 delay) and (omni adj direction\$4	USPAT;	2004/06/07 16:37
		omnidirection\$4 non adj direction\$4 nondirection\$4) and	US-PGPUB;	
		((adjust\$3 vary\$3 shift\$4) with (phase delay))	EPO; JPO;	
	14	(adant\$7 near7 delay) and (omni adi direction\$4	DERWENT USPAT;	2004/06/07 16:40
-	16	(adapt\$3 near3 delay) and (omni adj direction\$4 omnidirection\$4 non adj direction\$4 nondirection\$4) and	US-PGPUB;	2004/06/07 10:40
		((adjust\$3 vary\$3 shift\$4) with (phase delay)) and	EPO; JPO;	
		(microphone input near2 transducer)	DERWENT	
_	0	5757933.ccls.	USPAT;	2004/06/07 16:40
		3737733.ccis.	US-PGPUB;	200 11 00 10 10 10
			EPO; JPO;	
			DERWENT	
-	2	5757933.pn.	USPAT;	2004/06/07 17:13
		•	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	10	"andrea, douglas".in. and "topf, martin".in.	USPAT;	2004/06/07 18:07
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	USPAT	2004/06/07 17:53
		"5075687").PN.		2004/04/07 47 77
-	15		USPAT	2004/06/07 17:53
-	1711	3875349.URPN. (omnidirectional) with (directional	USPAT	2004/06/07 18:02
-	1711	unidirectional)	USPAT; US-PGPUB;	2004/00/07 10:00
		dilidirectional)	EPO; JPO;	
			DERWENT	
_	90	((omnidirectional nondirectional) with (directional	USPAT;	2004/06/07 18:12
		unidirectional)) and (handset hand adj set)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	38274	handset hand adj set	USPAT;	2004/06/08 16:40
			US-PGPUB;	
			EPO; JPO;	
	F/47/7	Landard and a Romandard and	DERWENT	2004/07/00 17 40
-	564367	handset hand adj set telephone	USPAT; US-PGPUB;	2004/06/08 16:40
			,	
			EPO; JPO; DERWENT	
_	14951	((omni adj direction\$4 omnidirection\$4 non adj direction\$4	USPAT;	2004/06/10 11:20
		nondirection\$4) same ((uni adj direction\$4 unidirection\$4	US-PGPUB;	
		direction\$4) (cardiod cardiold)))	EPO; JPO;	
		, (DERWENT	
-	15875	((omni adj direction\$4 omnidirection\$4 non adj direction\$4	USPAT;	2004/06/08 17:01
		nondirection\$4 zeroth adj order) same ((uni adj direction\$4	US-PGPUB;	
	ŀ	unidirection\$4 direction\$4) (cardiod cardioid) (first second)	EPO; JPO;	
		adj order))	DERWENT	
-	2670	(handset hand adj set telephone) and (((omni adj direction\$4	USPAT;	2004/06/08 16:42
		omnidirection\$4 non adj direction\$4 nondirection\$4 zeroth	US-PGPUB;	
		adj order) same ((uni adj direction\$4 unidirection\$4	EPO; JPO;	
_	486	direction\$4) (cardiod cardioid) (first second) adj order))) (handset hand adj set telephone) same (((omni adj	DERWENT USPAT;	2004/06/08 16:42
	700	direction\$4 omnidirection\$4 non adj direction\$4	US-PGPUB;	2007/00/00 10:42
		nondirection\$4 zeroth adj order) same ((uni adj direction\$4	EPO; JPO;	
		unidirection\$4 direction\$4) (cardiod cardioid) (first second)	DERWENT	
		adj order)))		
-	132	(handset hand adj set telephone) same (((omni adj	USPAT;	2004/06/08 16:42
		direction\$4 omnidirection\$4 non adj direction\$4	US-PGPUB;	
		nondirection\$4 zeroth adj order) same ((uni adj direction\$4	EPO; JPO;	
		unidirection\$4 direction\$4) (cardiod cardioid) (first second)	DERWENT	
		adj order))) same switch\$3		

"4096353" "4131760" "4198705" "4237339" "4254417" "4305141" "4308425" "4334740" "4399327" "4410770" "4414433" "4436966" "4449238" "4466117" "4485484" "4489442" "4521908" "4559642" "4653102" "4658425" "4669108" "4696043" "4703506" "4712231" "4712244" "4741038" "4752961" "4815132" "4860366" "4903247" "5058170" "5121426" "5214709" "5226087" "5243660" "5463694" "5483599" "5500903" "5506908" "5561737" "5664021" "5703957" "5737431").PN.	04/06/08 16:46
"4254417" "4305141" "4308425" "4334740" "4399327" "4410770" "4414433" "4436966" "4449238" "4466117" "4485484" "4489442" "4521908" "4559642" "4653102" "4658425" "4669108" "4696043" "4703506" "4712231" "4712244" "4741038" "4752961" "4815132" "4860366" "4903247" "5058170" "5121426" "5214709" "5226087" "5243660" "5463694" "5483599" "5500903" "5506908" "5561737" "5664021" "5703957" "5737431").PN.	
"4399327" "4410770" "4414433" "4436966" "4449238" "4466117" "4485484" "4489442" "4521908" "4559642" "4653102" "4658425" "4669108" "4696043" "4703506" "4712231" "4712244" "4741038" "4752961" "4815132" "4860366" "4903247" "5058170" "5121426" "5214709" "5226087" "5243660" "5463694" "5483599" "5500903" "5506908" "5561737" "5664021" "5703957" "5737431").PN.	
"4449238" "4466117" "4485484" "4489442" "4521908" "4559642" "4653102" "4658425" "4669108" "4696043" "4703506" "4712231" "4712244" "4741038" "4752961" "4815132" "4860366" "4903247" "5058170" "5121426" "5214709" "5226087" "5243660" "5463694" "5483599" "5500903" "5506908" "5561737" "5664021" "5703957" "5737431").PN.	
"4521908" "4559642" "4653102" "4658425" "4669108" "4696043" "4703506" "4712231" "4712244" "4741038" "4752961" "4815132" "4860366" "4903247" "5058170" "5121426" "5214709" "5226087" "5243660" "5463694" "5483599" "5500903" "5506908" "5561737" "5664021" "5703957" "5737431").PN.	
"4669108" "4696043" "4703506" "4712231" "4712244" "4741038" "4752961" "4815132" "4860366" "4903247" "5058170" "5121426" "5214709" "5226087" "5243660" "5463694" "5483599" "5500903" "5506908" "5561737" "5664021" "5703957" "5737431").PN.	
"4712244" "4741038" "4752961" "4815132" "4860366" "4903247" "5058170" "5121426" "5214709" "5226087" "5243660" "5463694" "5483599" "5500903" "5506908" "5561737" "5664021" "5703957" "5737431").PN.	
"4860366" "4903247" "5058170" "5121426" "5214709" "5226087" "5243660" "5463694" "5483599" "5500903" "5506908" "5561737" "5664021" "5703957" "5737431").PN.	
"5214709" "5226087" "5243660" "5463694" "5483599" "5500903" "5506908" "5561737" "5664021" "5703957" "5737431").PN.	
"5483599" "5500903" "5506908" "5561737"	
"5664021" "5703957" "5737431").PN.	
6 5483599.URPN. USPAT 200	14/04/00 14 40
- 9 ("5483599" "5515445" "5524056" "5627799" USPAT 200	04/06/08 16:49
"5757933" "5917921" "5978490" "6002776"	
"6101258").PN.	
	04/06/08 16:51
	04/06/08 16:57
"3875349" "3946168" "3975599" "4051330"	74700700 10.37
"4723293" "4751738" "5029215" "5214709"	
"5226087" "5289544" "5524056").PN.	
	04/06/08 17:02
nondirection\$4 zeroth adj order) same ((uni adj direction\$4 US-PGPUB;	
unidirection\$4 direction\$4) (cardiod cardioid) (first second) EPO; JPO;	
adj order)) and 381/92.ccls. DERWENT	
	04/06/08 19:17
nondirection\$4 zeroth adj order) same ((uni adj direction\$4 US-PGPUB;	
unidirection\$4 direction\$4) (cardiod cardioid) (first second) EPO; JPO;	
adj order)) and telephone DERWENT	
- 140 ((omni adj direction\$4 omnidirection\$4 non adj direction\$4 USPAT; 200	04/06/08 17:16
nondirection\$4 zeroth adj order) same ((uni adj direction\$4 US-PGPUB;	
unidirection\$4 direction\$4) (cardiod cardioid) (first second) EPO; JPO;	
adj order)) and telephone and 381/\$.ccls. DERWENT	
	04/06/08 17:05
US-PGPUB;	, ,, , , , , , , , , , , , , , , , , , ,
EPO; JPO;	
DERWENT	
	04/06/08 17:06
	04/06/08 19:17
	74/00/00 17:17
nondirection\$4 zeroth adj order) same ((uni adj direction\$4 US-PGPUB;	
unidirection\$4) (cardiod cardioid) (first second) adj order)) EPO; JPO;	
and telephone and 381/\$.ccis. DERWENT	
	04/06/08 17:30
	04/06/08 17:30
	04/06/08 17:33
"3983336" "4073366" "4393270" "4399327"	
"4703506" "5058171" "5121426" "5131046"	
"5214709").PN.	
	04/06/08 17:36
	04/06/08 17:38
"4334740" "4354059" "4412097" "4485484"	
"4491697" "4521908" "4559642" "4653102"	
"4675906" "4703506" "4757545").PN.	
	04/06/08 17:41
	04/06/08 18:13
"4559642" "4589137" "4653102" "4696043"	, 1/00/00 10:13
	14/04/00 10 14
	04/06/08 18:14
US-PGPUB;	
EPO; JPO;	
DERWENT DERWENT	

			T 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
-	2	791418.pn.	USPAT;	2004/06/08 18:15
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	10	791418"	USPAT;	2004/06/08 18:15
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
1.	378	381/92.ccls.	USPAT;	2004/06/08 18:21
			US-PGPUB;	200 # 00/ 00 10/21
			EPO; JPO;	
			DERWENT	
	1.7	077/000 051/77/ 0575/01		2004/04/08 18 21
-	13	2336880.pn. 2516776.pn. 2535681.pn.	USPAT;	2004/06/08 18:21
	1		US-PGPUB;	
			EPO; JPO;	
	1		DERWENT	
-	17	2336880.pn. 2516776.pn. 2535681.pn. 2632101.pn.	USPAT;	2004/06/08 18:22
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
.	10	5757933.URPN.	USPAT	2004/06/08 18:48
-	7	("4370523" "4589137" "4741038" "4802227"	USPAT	2004/06/08 18:57
	'	"4888807" "5033082" "5243661").PN.	33171	200 1/00/00 10.3/
1_	5651	((omni adj direction\$4 omnidirection\$4 non adj direction\$4	LICDAT.	2004/06/08 19:02
-	2021		USPAT;	2004/00/08 19:02
		nondirection\$4 zeroth adj order) same ((uni adj direction\$4	US-PGPUB;	
		unidirection\$4 (direction\$4 not non adj direction\$4 not	EPO; JPO;	
		omni adj direction\$4)) (cardiod cardioid) (first second) adj	DERWENT	
		order))		
-	15875		USPAT;	2004/06/08 19:03
		nondirection\$4 zeroth adj order) same (uni adj direction\$4	US-PGPUB;	
		unidirection\$4 (direction\$4) (cardiod cardioid) (first	EPO; JPO;	
		second) adj order))	DERWENT	
-	1627	((omni adj direction\$4 omnidirection\$4 non adj direction\$4	USPAT;	2004/06/08 19:04
		nondirection\$4 zeroth adj order) same (uni adj direction\$4	US-PGPUB;	
		unidirection\$4 (cardiod cardioid) (first second) adj order))	EPO; JPO;	
		distriction of the cardioa cardioa, this second, adjoiner,	DERWENT	
1_	342	((omni adj direction\$4 omnidirection\$4 non adj direction\$4		2004/04/09 10:04
-	342		USPAT;	2004/06/08 19:04
		nondirection\$4 zeroth adj order) same (uni adj direction\$4	US-PGPUB;	
		unidirection\$4 (cardiod cardioid) (first second) adj order))	EPO; JPO;	
		same (above greater)	DERWENT	
-	86	((omni adj direction\$4 omnidirection\$4 non adj direction\$4	USPAT;	2004/06/08 19:04
		nondirection\$4 zeroth adj order) same (uni adj direction\$4	US-PGPUB;	
		unidirection\$4 (cardiod cardioid) (first second) adj order))	EPO; JPO;	
		same (above greater) same (less lesser below)	DERWENT	
-	15	(((omni adj direction\$4 omnidirection\$4 non adj	USPAT;	2004/06/08 19:13
		direction\$4 nondirection\$4 zeroth adj order) same (uni adj	US-PGPUB;	
		direction\$4 unidirection\$4 (cardiod cardioid) (first second)	EPO; JPO;	
		adj order)) same (above greater) same (less lesser below))	DERWENT	
		and (microphone input adj transducer)	DERVICIAL	
1.	13		LICDAT	2004/04/09 10:00
] -	13	,	USPAT	2004/06/08 19:08
		"3983336" "4073366" "4393270" "4399327"		
		"4703506" "5058171" "5121426" "5131046"		
		"5214709").PN.		0004164:55
-	94	381/122.ccls. and (direction angle)	USPAT;	2004/06/08 19:14
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	89	381/122.ccls. and (direction angle) and (two pair second	USPAT;	2004/06/08 19:17
	·	reference)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
L			PEKAAEIAI	l l

-	1627	((omni adj direction\$4 omnidirection\$4 non adj direction\$4	USPAT;	2004/06/08 19:17
		nondirection\$4 zeroth adj order) same ((uni adj direction\$4	US-PGPUB;	
		unidirection\$4) (cardiod cardioid) (first second) adj order))	EPO; JPO;	
			DERWENT	
-	19837	((omni adj direction\$4 omnidirection\$4 non adj direction\$4	USPAT;	2004/06/08 19:18
		nondirection\$4 zeroth adj order) and ((uni adj direction\$4	US-PGPUB;	
		unidirection\$4 direction\$4) (cardiod cardioid) (first second)	EPO; JPO;	
		adj order))	DERWENT	
-	32		USPAT;	2004/06/08 19:18
		reference)) and (((omni adj direction\$4 omnidirection\$4	US-PGPUB;	
		non adj direction\$4 nondirection\$4 zeroth adj order) and	EPO; JPO;	
		((uni adj direction\$4 unidirection\$4 direction\$4) (cardiod	DERWENT	
		cardioid) (first second) adj order)))	DERWEIT	
_	27	4489442.URPN.	USPAT	2004/06/08 19:19
1_	1	"4354059".PN.	USPAT	2004/06/08 19:27
	5		USPAT	2004/06/08 19:28
-			usrai	2004/00/08 19:28
		"5729507").PN.	LICDAT	0004/04/0040
-	2	(=== 10 10 1000111 /	USPAT	2004/06/08 19:28
-	24	381/358.ccls.	USPAT;	2004/06/10 10:09
		·	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	159	381/356.ccls.	USPAT;	2004/06/10 10:39
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	6	2301744.URPN.	USPAT	2004/06/10 10:17
-	21	("3213372" "3437758" "3496481" "3588360"	USPAT	2004/06/10 10:32
		"3601530" "3751602" "3755625" "3814856"	<u> </u>	
		"3818139" "3944736" "3947639" "3958084"		
		"3979563" "3992584" "4006310" "4090032"		
		"4099025" "4149032" "4198705" "4215241"		
		"4359602").PN.		
-	46	"3409738" "3437758" "3448217" "3497622"	USPAT;	2004/06/10 10:40
		317,022	US-PGPUB;	200 17 007 10 10.10
			EPO; JPO;	
			DERWENT	
_	12	3409738.pn. 3437758.pn. 3448217.pn. 3497622.pn.	USPAT;	2004/06/10 11:10
į	'2	5 107750.pii. 5457750.pii. 5440217.pii. 5477022.pii.	US-PGPUB;	2004/00/10 11:10
ì				
			EPO; JPO;	
	3	/"24E7100" "2004001" "41141E7"\ D\	DERWENT	0004/07/10 10 50
	_	("2457199" "2994081" "4114157").PN.	USPAT	2004/06/10 10:50
1	94	381/56.ccls. and (direction angle)	USPAT;	2004/06/10 11:11
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	116593	microphone\$3 input near2 transduc\$3	USPAT;	2004/06/10 11:11
			US-PGPUB;	
			EPO; JPO;	}
			DERWENT	
-	56	(381/56.ccls. and (direction angle)) and (microphone\$3	USPAT;	2004/06/10 11:17
		input near2 transduc\$3)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	151	381/313.ccls.	USPAT;	2004/06/10 11:19
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	14966	((omni adj direction\$4 omnidirection\$4 non adj direction\$4	USPAT;	2004/06/10 11:22
	1.750	nondirection\$4) same ((uni adj direction\$4 unidirection\$4	US-PGPUB;	2007/00/10 11:22
		direction\$4) (cardiod cardioid)))	EPO; JPO;	
		an constitution of the control of th	DERWENT	
L	L	1/15/40/ 010	DEVACIAL	

-	518	((,,,,	USPAT;	2004/06/10 11:22
		nondirection\$4) same ((uni adj direction\$4 unidirection\$4	US-PGPUB;	
		direction\$4) (cardiod cardioid))) same automatic\$4	EPO; JPO;	
			DERWENT	
-	26		USPAT;	2004/06/10 11:22
		nondirection\$4) same ((uni adj direction\$4 unidirection\$4)	US-PGPUB;	
		(cardiod cardioid))) same automatic\$4	EPO; JPO;	
			DERWENT	
-	3		USPAT	2004/06/10 11:37
-	22	("4672674" "4908855" "4912767" "5121426"	USPAT	2004/06/10 11:37
-		"5131047" "5148471" "5201006" "5239578"		
		"5251263" "5319736" "5323458" "5335276"		
		"5343521" "5381473" "5406622" "5444786"		
		"5452361" "5471538" "5473702" "5481615"		
		"5493616" "5526421").PN.		
-	9	(USPAT	2004/06/10 12:02
		"4654871" "4739513" "4977600" "5105377"		
		"5182774").PN.		
-	1	"6272229".PN.	USPAT	2004/06/10 12:06
-	9	("5483599" "5515445" "5524056" "5627799"	USPAT	2004/06/10 12:06
		"5757933" "5917921" "5978490" "6002776"	1	
-		"6101258").PN.		
-	4	1 '	USPAT	2004/06/10 12:08
		"5214709").PN.		
-	4	("2678967 [*] "4354059" "4757545"	USPAT	2004/06/10 12:08
		"5029215").PN.		
-	4	· · · · · · · · · · · · · · · · · · ·	USPAT	2004/06/10 12:42
		"5475761").PN.		
	5	1	USPAT	2004/06/10 12:47
		"4581758").PN.		
	15	'	USPAT	2004/06/10 12:55
_	Ō	6320968.URPN.	USPAT	2004/06/10 13:01
_	24		USPAT	2004/06/10 13:01
		"4878188" "4901354" "4932063" "5033082"	45.71.	200 17 007 10 13:01
		"5046103" "5054078" "5117461" "5138664"		
		"5204909" "5293578" "5381473" "5398286"		
		"5412735" "5416844" "5455779" "5473702"		
1		"5652799" "5835608" "5917921"		
		"5953380").PN.		
-	4		USPAT;	2004/06/10 13:08
			US-PGPUB;	200 17 007 10 13.00
1			EPO; JPO;	
			DERWENT	
-	15	("4042779" "4072821" "4258235" "4308425"	USPAT	2004/06/10 13:46
	.	[,	J. A.	2001/00/10 13:10
1				
1		"4675906" "4703506" "4757545").PN.		
	14	1354059.URPN.	USPAT	2004/06/10 13:50
1.	7	3875349.URPN.	USPAT	2004/06/10 13:57
_	2	5825897.pn.	USPAT;	2004/06/10 13:57
		3023477.pm	US-PGPUB;	2007/00/13 11:48
			EPO; JPO;	
1			DERWENT	
1.	5	("3951248" "4558178" "5210791" "5359647"	USPAT	2004/04/14 10 70
		(3931246	usrA I	2004/06/16 10:38
1_	11	accessor\$3 with tone adj generat\$3	LICDAT.	2004/04/14 10 57
1	'''	accessor to mini mile and Reliet (1)	USPAT;	2004/06/16 10:53
			US-PGPUB;	
			EPO; JPO;	
	L		DERWENT	

-	7	accessor\$3 with tone adj generat\$3 and telephon\$3	USPAT;	2004/06/16 10:56
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	22	accessor\$3 with ringer and telephon\$3	USPAT;	2004/06/16 10:56
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	14	("Re31398" "3467788" "3864532" "4157459"	USPAT	2004/06/16 11:01
		"4251807" "4278851" "4409588" "4413253"		
		"4574272" "4602245" "4604606" "4728933"		
		"4823110" "4845748").PN.		
-	2	5490219.URPN.	USPAT	2004/06/16 11:07
-	5	("3940575" "3992584" "4489442" "4567608"	USPAT	2004/06/16 11:11
-	4	("4536887" "4802227" "5473701"	USPAT	2004/06/23 11:57
		"5475761").PN.		
-	14	andrea.in. and omnidirectional	USPAT;	2004/06/28 01:36
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	